



Australian Government
Department of Industry,
Innovation and Science

National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval NMI S715

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

This is to certify that an approval for use for trade has been granted in respect of the instruments herein described.

National Weighing & Instruments Model Winweigh Point of Sale (POS) System

submitted by National Weighing & Instruments Pty Ltd
1/88 Magowar Road
Girraween NSW 2145

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This approval has been granted with reference to document NMI M 7, *Pattern Approval Specifications for Point of Sale Systems*, dated June 2012.

This approval becomes subject to review on 1/03/24, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern provisionally approved – interim certificate issued	30/03/16
1	Pattern approved – certificate issued	27/03/19

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S715' and only by persons authorised by the submittor.

Instruments purporting to comply with this approval and currently marked 'NMI PS715' may be re-marked 'NMI S715' but only by persons authorised by the submittor.

It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with document NMI P 106.

Special

Certain aspects of this instrument (in particular transaction record printing formats) are able to be configured by the user. Whilst NMI believes that acceptable formats can be achieved for typical basic sales modes, it is also possible for the instrument to be configured to produce unacceptable formats, and use of some formats may be inappropriate for different sales modes. It is the responsibility of the user to ensure that acceptable and appropriate formats are used in any particular situation.

Special Conditions of Approval: (weighbridges)

The pattern has not been assessed for compliance with requirements which are outside the scope of document NMI M7, including those features which control the automation of weighbridge operation, or ticket formats for public weighbridges, or 'axle weighing' or 'end to end weighing'.

This Certificate does not constitute or imply approval for these functions. Details of these requirements can be found on the NMI website.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.



Darryl Hines
Manager
Pattern Approval, Policy and
Licensing Section

TECHNICAL SCHEDULE No S715

1. Description of Pattern **provisionally approved on 30/03/16**
approved on 27/03/19

A National Weighing & Instruments model Winweigh system to provide certain additional facilities for transactions when interfaced to compatible (#) NMI-approved measuring instruments granted with reference to document NMI M7.

1.1 Key Features

- The system provides point of sale arrangements when connected to NMI-approved measuring instruments fitted with a Bilanciai model DD700 digital indicator (approval NMI S716) or other compatible (#) NMI-approved measuring instruments.
 - The system receives measurement data from the output interface of the approved measuring instrument and computes prices using a product look up (PLU) facility.
 - The system computes total price for multiple items including non-measured items and is approved for use for transactions direct to the public.
 - Manually entered measurement data shall be indicated as such on a printed transaction record.
 - The system is able to apply a tare value up to the maximum capacity of the approved measuring instrument. Preset tare values may be keyboard-entered or stored (e.g. within a PLU facility).
 - The POS controllers may be connected in a network to share common PLU data, for totalisation, and to accumulate and retrieve management information.
- (#) 'Compatible' is defined to mean that no additions/changes to the hardware/software specified in this approval are required for satisfactory operation of the system.

1.2 System Description

The National Weighing & Instruments model Winweigh system (Figure 1) comprises:

(i) POS Controller

The National Weighing & Instruments model Winweigh POS controller is a PC-based device that operates a Microsoft Windows operating system running Winweigh version 4.x software.

The Winweigh is a software module that provides the measurement functionality to an application software. The application software includes model Winweigh4.1, or any other application software or system that interfaces to the approved measuring instrument via the Winweigh module. The application software must not cause the system to incorrectly indicate measured quantity or price.

The Winweigh software version number is displayed in the application 'About' facility that can be accessed via either the application main toolbar or the 'Help Menu'.

- (*) 'Equivalent' is defined to mean other proprietary equipment of the same or better specifications requiring no changes to the software specified in this approval for satisfactory operation of the system.

(ii) Electronic Indications

Indications shall satisfy the requirements of document NMI M7, *Pattern Approval Specifications for Point of Sale Systems*.

A VGA PC computer monitor or equivalent (*) is connected to the POS controller to provide an indication for the operator (Figure 2).

(iii) Printing Devices

Transaction records shall satisfy the requirements of document NMI M7, *Pattern Approval Specifications for Point of Sale Systems*.

A Zebra model GK420 printer or equivalent (*) is connected to the controller to provide transaction record printing facility. A typical record is shown in Figure 3.

Note: Tickets have NOT been assessed for compliance with the requirements for Weighbridge Measurement Tickets as given in relevant Licensing Directives of the trade measurement section of NMI as published on the NMI website.

(*) 'Equivalent' is defined to mean other proprietary equipment of the same or better specifications requiring no changes to the software specified in this approval for satisfactory operation of the system.

(iv) Multiple Instruments Facility

The National Weighing & Instruments model Winweigh POS system may be connected to up to 128 approved measuring instruments. The POS system is configured to display which measuring instrument is connected.

The measuring instrument to be used is preselected by the operator when they log into the Winweigh application.

Note: In the case of this feature, each instrument/combination shall be clearly identified to correspond to the appropriate measuring instrument display shown on the POS system display. Trade measurement authorities may require additional markings or signs to ensure that these relationships are clear.

(v) Truck Weighing Functions

Providing functions intended specifically for truck weighing applications, including provision for 'truck and product' identification data to be stored in memory.

The truck weighing functions provide for:

- simple vehicle weighing, where the gross weight of a vehicle is determined by a single weighing;
- first/second weighing, where a vehicle is weighed before and after a loading or unloading operation;
- function keys programmed to perform various functions (such as accessing and searching stored vehicle, item, product or client information).

(vi) Additional System Facilities

The system may include additional peripheral devices including but not limited to barcode scanning devices, RFID card readers, driver control stations, programmable logic controllers (PLC), input/output controllers, video surveillance cameras, video overlay devices and other plant/site-specific control systems. The facilities shall not interact with the system in a way that would cause an incorrect indication of the measured quantity or price.

1.3 Verification Provision

Provision is made for the application of a verification mark.

1.4 Descriptive Markings

The POS controller is marked in a clear and permanent manner, in one location, with the following information:

Submittor's name or mark
Serial number or other unique identifier
Pattern approval number	NMI S715

2. Description of Variant 1 **provisionally approved on 30/03/16** **approved on 27/03/19**

With the Winweigh model 4.x software module is intended to be used for weighing operations using small platform weighing instruments used to weigh small amounts of scrap material.

TEST PROCEDURE No S715

The POS system shall be tested in addition to any tests specified in the approval documentation for the measuring instrument/s to which the POS system is connected, as appropriate

The POS system shall be tested in the normal operational mode of the instrument and device, not in 'training mode' or any other management mode.

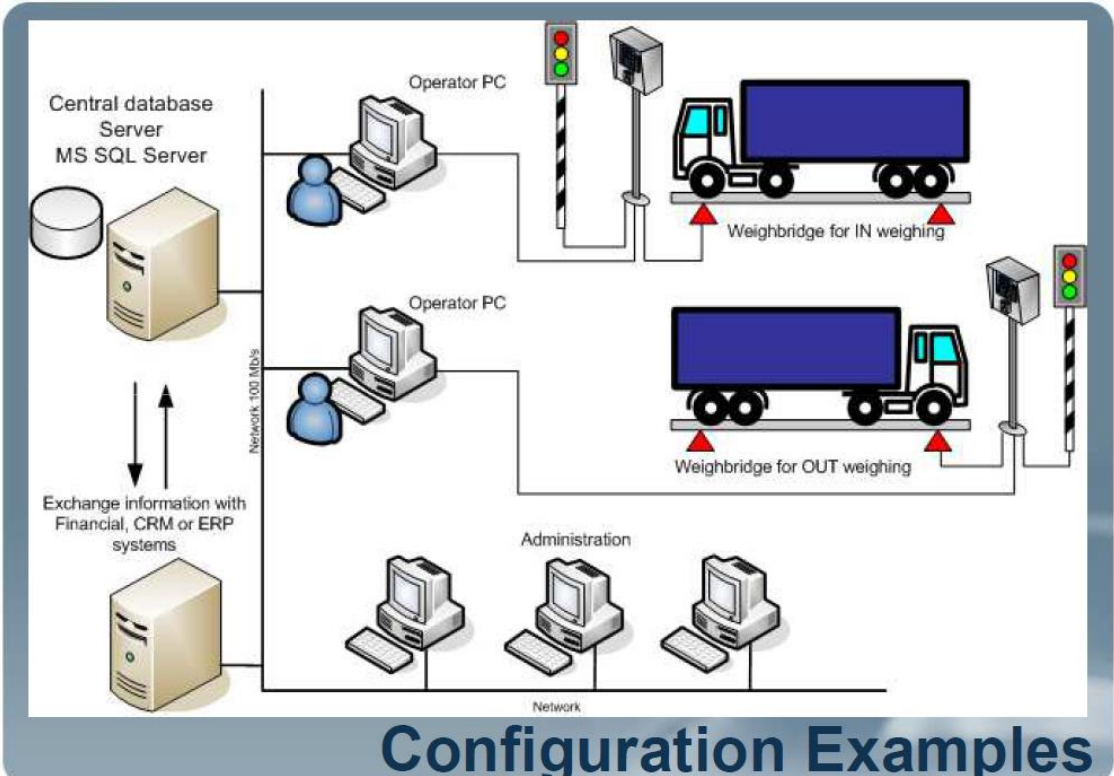
Maximum Permissible Error

The maximum permissible error for price computation is ± 0.5 cent.

TESTS

1. Check the software version number/s.
2. Check that the POS system faithfully reproduces the measurement data in the same units and scale interval as the connected approved measuring instrument, e.g. test by using a PLU without a stored tare.
3. Check that the system performs correct price computation, and computes and indicates a correct unrounded subtotal. For cash payment methods, check that any rounding calculation is correct.
4. Perform a measurement with a tare applied and confirm that the POS system correctly calculates and indicates a net measurement result.
5. Manually enter some pre-determined measurement data and ensure that the printed transaction record clearly indicates the transaction as such.
6. For network systems check to ensure that the measurement data printed on the transaction record is correctly reproduced.
7. Ensure that electronic indications and printed information are in accordance with document NMI M7.

FIGURE S715 – 1



Point of Sale (POS) System

FIGURE S715 – 2

WB_EDINBURGH_PARK
15.00 t
max=60.00t min=0.40t e=dd=0.02t

11/03/2019 3:51:37 PM SERVICE

Weight	Date/time	Scale	Seq. No.	Operator
1st 15.00 t	11/03/2019 3:26:18 PM	ACTUAL	243	TERMINAL
2nd		FIXED		
Tare 0.60 t (Pt)	<input type="checkbox"/> Overweight	Correction [F9]		
Net 14.40 t				


Location	Transaction No
1	187
Manual Entry	Original ticketno
No	187
Manual Entry Date	Corrected ticketno
Status	Closed
Final	

Company Name	Product	
VEOLIA	RECYCLING NON-MEMBER	
Council	Product rate	Discount
Playford	\$36.00 / t	0.00%
Rfid no1	Levy rate	Levy Amount
E007816306809038	\$0.10 / t	\$1.44
Site	Total price	Gst
Edinburgh Park	\$571.82	\$51.98

Rego	
S814BS	
Rfid no2	

Notes

Weighing

Typical Operator Display

FIGURE S715 – 3

NAWMA
Peachey AND Bellchambers Rd
Elizabeth West
TAX INVOICE - ABN: 33 781 472 643

Transaction No.	189
Site:	EDINBURGH PARK
Client:	VEOLIA
Truck Rego:	SB14BS
Product:	RECYCLING NON-MEMBER
Weigh In:	27/03/2019 9:12:04 AM
Gross[G]:	13.00 t
Tare[T]:	0.60 t
Net[N]:	12.40 t
Price Per Tonne:	\$36.00 /t
Price:	\$446.40
TotalLevy:	\$1.24
GST:	\$44.76
Total Price:	\$492.40
Signature :	_____

A Typical Receipt

~ End of Document ~